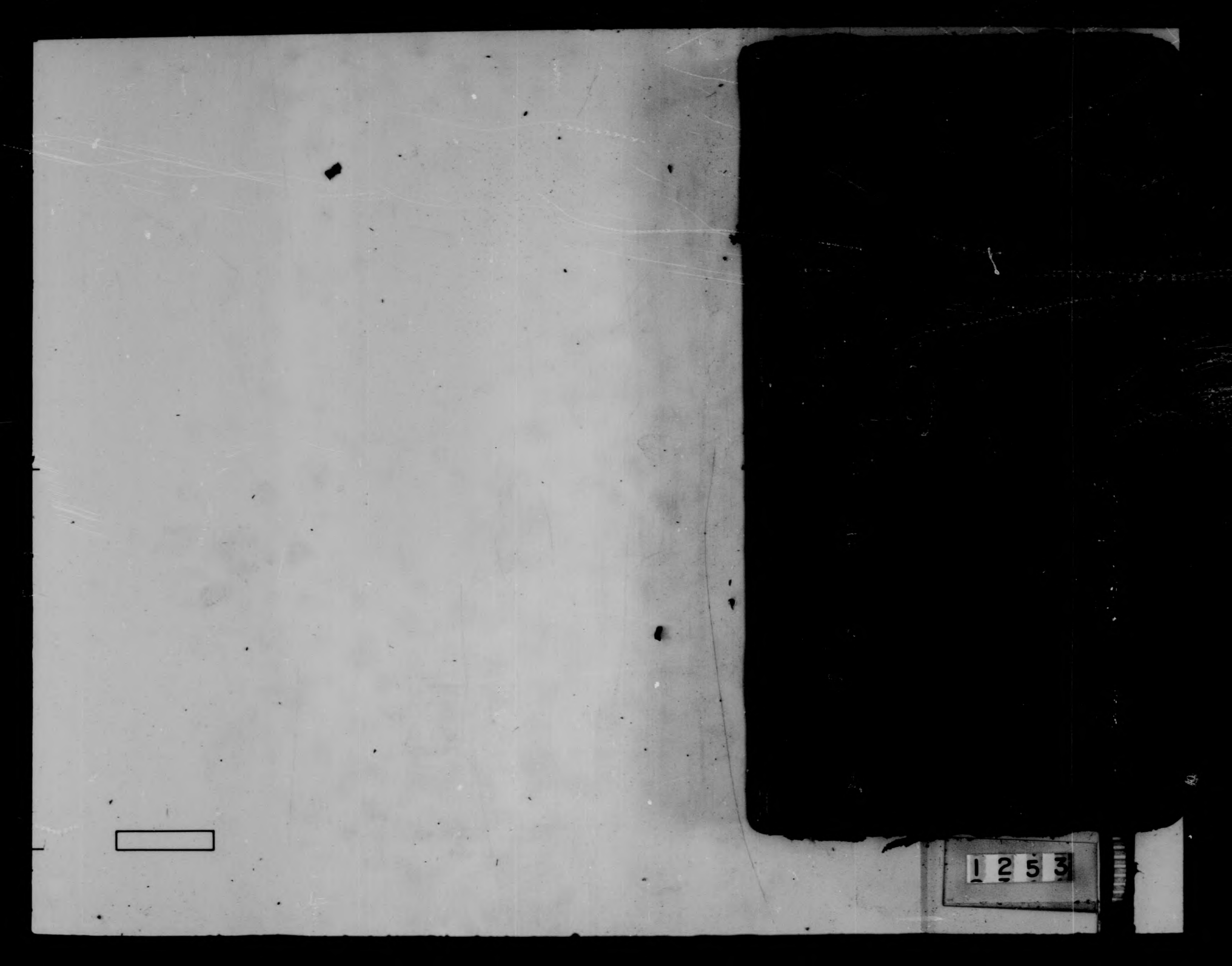
1253

50464

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1254

Index.

Road Crossing at Cowell's Sta. 55+63.5	Page 2.
" " " Markeley's " 58+90.	" 3.
" " " Cowell's " 58+29	" 4.
Original Cross Section notes from Sta. 21+00 to Sta 208.	" 5-70.
Cross Sections of Crossing at W St.	" 71-72.

1255

S/2: Road Xing at Cowell Place
Sta: 55+63.5

12' wide
10% grade

1256

Pages 2 To Used In
Final Estimate Item No 24

1+38	19.1	0.0 6.0	0.0	0.0 6.0
1+00	24.90	-5.6 14.4	-5.7	-5.7 13.8
0+50	29.90	-10.2 21.3	-10.1	-10.2 21.3
0+20	32.90	-12.9 25.4	-13.1	-13.2 25.8
0+02.5		-1.7 8.6	-1.7	-1.7 8.6
0+00. q'out 55+63.5	34.90	0.0 6.0	0.0	0.0 6.0

Sta. Road King at Merkley's
Sta. 58+90 12' Wide
10% to grade

1257

Pages 3 ~~To~~ Used In
Final Estimate Item No 27.

1+80.		0.0 6.0	0.0	0.0 6.0
1+30	21.9	-7.5 9.8	-3.0	-3.0 10.5
1+00	24.90	-5.7 14.6	-5.7	-5.8 14.7
0+50	29.90	-10.3 21.4	-10.5	-10.4 21.6
0+25	32.40	-12.0 24.0	-13.3	-13.2 25.8
0+02.5		-1.7 8.6	-1.7	-1.7 8.6
0+00	34.90	0.0 6.0	0.0	0.0 6.0
58+90 (Approx).				

Xing at Cowells Place
P/o. 58+29.

4.

12' Wide
10% grade

1258

Pages 4. ~~To~~ Used In
Final Estimate Item No 26.

1+55	19.40	0.0 6.0	0.0	0.0 6.0
1+25	22.40	-2.9 10.4	-2.7	-2.8 10.2
1+00	24.90	-5.0 13.5	-5.0	-4.8 13.2
0+50	29.90	-10.1 21.2	-10.1	-9.6 -8.1 -7.9 5. 11. 14.9
0+25	32.40	-12.6 24.9	-10.8	-9.0 19.5
0+02.5		-1.7 8.6	-1.7	-1.7 8.6
0+00 58+29 9 out	34.90	0.0 6.0	0.0	0.0 6.0

Sta	Ground	Grade
23+50	30.7	33.2
EC +31	30.8	
23+00	31.0	
+50	31	
22+00	30.6	

BVC Elev. 32.598

Level

+ Alig 16' Lt of 21+72

+ 50	30.9	
21+00	31.0	

1259

Sta	Ground Grade	
26+034	30.8	33.8
+ 234	30.9	
Bottle L. 431	30.9	
23+100	30.9	
+ 50	30.9	
22+00	30.7	
	Level	

1260

Sta.	Ground	Grade	L	C	R
			in Curve		
28+00	31.0	33.2	-6.5 -3.0 0.0 0.0 0.0 21.8 14. 9.0 9.0		
+60			-8.8 -5.7 0.0 0.0 0.0 35.2 21.0 11.2 9.0		
+50	31.0				
27+00	30.8				
26+93 Lt	30.8				
+63 Lt	30.7				
26 +33 Lt	30.6				

Level

Pages 7 To 11 Used In
Final Estimate Item No 16.

I 2611

Sta	Ground	Grade	L	C	R.
CC 3'Lt 30+94 E	26.5	33.2	-12.3 -8.5 -7.3 -6.7 -6.4 -6.1 40.4 21.8 9. 18.2		
CC 4'Lt 30+64 E	26.1		-12.7 -9.0 -7.7 -7.1 -6.3 -5.3 0.0 41.0 22.5 9. 17.0 28.5		
CC 5'Lt 30+34 E	25.7		-12.8 -10.4 -8.8 -7.5 -6.2 -4.7 0.0 41.7 24.6 9. 9. 16.0 23.0		
30+00	26.0		-12.3 -10.1 -8.5 -7.1 -5.6 -5.1 -3.0 0.0 40.4 24.2 9. 9. 10.6 13.5 16.0		
+50	27.6		-12.0 -9.6 -7.6 -5.6 -0.5 0.0 on Tree 40.0 23.4 9. 8.5 9.0		
+18			-11.2 -8.7 -5.8 -5.1 -1.3 -0.4 0.0 on Tree 38.8 22.0 9. 6. 3.0 9.0		
(E) 29+00	30.9		-10.8 -7.7 -6.8 -2.3 -2.2 -0.4 -0.5 0.0 on Tree 38.2 20.6 17.4 9. 4.0 1.0 9.0		
+80			-11.0 -9.6 -3.6 -2.8 0.0 0.0 0.0 on Tree 38.5 17.5 20.3 9. 3.0 9.0		
+50	31.0		-6.9 -6.4 -3.3 -1.4 0.0 0.0 0.0 on Tree 32.4 20.0 14.0 9. 4.0 9.0		

23' R.B. on Tank

Level

Continued from Cross Section Book #15 page 13

IBM. Elev. 27.109 on Small Stump 41' R. of 28+35.

See Transit Book #9, page 32.

See Level Book 9, page 23.

1262

Sta	Ground	Grade	L	C	R	℄
33+98		32.8	-13.8 -13.8 -13.3 -13.9 -14.4 -16.6 -12.3 -9.9 0.0 42.0 29.7 9. 9. 14.9 18.8 23.9 43.0			
33+50	19.7		-13.5 -13.4 -13.6 -13.9 -14.2 -14.6 -15.9 -13.6 -12.0 42.1 29.1 9. 9. 18. 21. 32.5 37.0 6.0 52.0			
33+00	19.3		-13.5 -13.5 -13.6 -14.1 -14.5 -14.6 -15.9 -14.3 0.0 42.1 29.2 9. 9. 26. 29. 30.4 54.0			
+50	19.3		-13.5 -13.5 -13.7 -14.0 -14.3 -14.4 -15.6 -14.3 0.0 42.3 29.2 9. 9. 27. 29.7 30.4 54.5			
32+00	19.7		-13.8 -13.2 -13.1 -13.4 -13.5 -13.4 -14.7 -13.6 43.2 28.8 9. 9. 26. 28.5 29.4			
	add for Ditch at 31+43. 2.0 × 1.4 × 54 long					
31+68		33.2	12.0 -12.7 -12.7 -13.1 -12.9 -11.3 0.0 40.0 28.6 9. 9. 26.0 48.0			
+50	25.5		-13.0 -10.3 -8.3 -7.7 -6.9 -5.9 0.0 41.5 24.4 9. 9. 17.9 45.5			
C.C 2°Lt 31+248	26.8		-13.0 -7.9 -6.6 -6.4 -5.9 -5.9 0.0 41.5 30.9 9. 9. 17.9 41.0			

Level

R.B.E. Tot.

1263

Use Cross Sections
Pages 8 to 11 Inc.
Cross Section Book #1
1264

Sta	Ground	Grade	L				C	R	
37+87		-13.5	-13.4	-13.4	-3.8	-2.8	0.0	0.0	
		42.2	29.1	28.	9.	6.	1.	9.0	
37+50	31.3	38.8	-13.3	-13.3	-13.3	-5.0	-2.5	-0.6	0.0	0.0	
			42.	29.	28.2	9.	4.7	2.0	9.0	
37+00	30.0		-13.4	-13.3	-13.7	-6.8	-3.7	0.0	0.0	
			42.1	29.	23.	9.		4.0	9.	
36+50	28.3		-13.7	-13.0	-13.4	-8.6	-5.0	-3.8	0.0	
			42.6	28.5	14.	9.		2.7	9.0	
36+00	26.0		-13.5	-13.3	-13.4	-10.4	-7.1	-4.0	-2.4	-1.3	0.0	
			42.2	28.9	12.	9.		7.	9.	11.0	12.5	
35+50	24.1		-13.7	-13.2	-13.4	-13.5	-9.0	-4.7	-3.0	0.0	
			42.6	28.8	9.	7.		9.	13.5	19.0	
35+00	19.6	Level	-13.7	-13.4	-13.2	-13.8	-8.6	-5.5	0.0	
			42.6	29.1	9.			9.	18.2	25.0	
+50	19.7		-13.6	-13.2	-13.2	-13.4	-13.6	-13.1	-7.2	0.0	
			42.1	28.8	9.			7.5	9.	20.0	34.0	
+02			-13.3	-14.0	-13.9	-14.2	-14.3	-10.0	0.0	
			42.0	30.0	9.			9.	24.0	43.0	
34+00	17.2		-13.3	-15.8	-15.7	-16.2	-16.3	-16.6	-10.0	0.0	Ditch
			42.	32.7	9.			9.	14.7	24.0	43.0	

3.21 R.B. = 1.41 -

1265

Pages 11 To [illegible] Used In
Final Estimate Item No 21.

Pages 11 To 19 Used In
Final Estimate Item No 22.

1266

Station	Ground	Grade	Lt.	C.	R.
+50	19.0	33.20	-13.5 -13.8 -14.9 -14.7 -14.2 -8.9 -4.8 29.5 13 32. 9. 9. 16.2		
+37.7 EC.	18.9		-13.6 -13.9 -15.0 -14.7 -14.3 -13.9 -8.6 -6.1 -5.1 29.4 26 21. 9. 2. 9. 11. 16.6		
+07.7	22.2		-13.6 -14.7 -14.6 -14.2 -11.0 -9.2 -8.8 -8.5 -5.6 29.4 23.5 9. 5.5 2. 9. 12. 17.4		
43	23.3				
+80					
+77.7	21.3		-13.6 -14.5 -14.1 -13.1 -11.9 -11.2 -9.0 -4.8 29.4 22.5 11. 9. 5. 9. 16.2		
+47.7	20.7		-13.9 -14.1 -12.6 -12.5 -8.7 -4.4 29.9 26.5 9. 9. 15.6		
42 +17.7	20.5		-13.8 -14.2 -13.8 -12.7 -8.8 -3.8 29.7 9. 3.5 9. 14.7		
+87.7	20.5		-13.9 -14.5 -14.1 -12.7 -7.8 -3.6 29.9 9. 3.5 9. 14.4		
+57.7	20.8		-13.1 -14.0 -13.6 -12.4 -7.3 -3.6 28.6 9. 4. 9. 14.4		
41 +27.7 CC Tgt.	21.0		-13.7 -14.0 -13.7 -12.2 -4.7 -3.2 -3.7 29.5 9. 3. 9. 13. 13.8		

Tiered

12267

Sta.	Ground	Grade.	T.	C.	R.
+50	20.1	33.20	-14.8 -16.6 -13.6 -13.3 -13.1 -9.0 -4.4 31.2 24. 16. 9. 9. 16.6		
47	20.5		-14.2 -14.1 -15.3 -13.5 -13.5 -13.5 -12.7 -8.8 -4.4 31.3 24. 22. 16. 9. 3.5 9. 15.6		
+50	19.9		-13.9 -14.3 -15.4 -14.1 -13.9 -13.3 -9.1 -4.6 29.9 23.5 19.5 14. 9. 9. 15.9		
46	19.5		-13.8 -14.0 -15.3 -14.6 -14.2 -13.7 -9.6 -5.3 29.7 24.5 20. 17.5 9. 9 17.0		
+50	19.1		-13.6 -13.6 -15.1 -14.5 -14.0 -14.1 -10.2 -5.5 29.4 25.5 19. 16. 9. 9. 17.2		
45	19.2	Level.	-13.6 -13.6 -15.0 -14.4 -14.0 -13.6 -10.6 -5.8 29.4 26. 18. 9. 3. 9. 17.7		
+50	19.0		-13.7 -13.6 -15.2 -14.6 -14.2 -10.8 -5.8 29.6 23. 18.5 9. 9. 17.7		
44	19.1		-13.7 -13.8 -15.1 -14.6 -14.1 -10.4 -5.1 29.6 23.5 19.5 9. 9. 16.6		

1268

Sta.	Ground	Grade	L.	C.	R.	
51	19.4	33.20	-13.2 -15.9 -14.4 -13.8 -13.8 28.8 19. 15. 9.		-10.1 -5.0 9. 16.5	
+50	20.1		-14.8 -16.1 -13.9 -13.7 -13.1 31.2 20. 15 9.		-9.2 -5.2 9. 16.8	
50	20.5		-16.1 -16.1 -13.2 -13.7 -12.7 33.2 27.5 20. 9.		-9.0 -4.4 9. 15.6	
+50	20.9	-14.7 31.0	14.8 -13.9 -13.3 -12.5 -12.3 76. 24.5 9. 4.5		-9.9 -4.3 9. 15.4	
B.M. Elev: 20.082.			Plug at N.W. Cor. of Small Shed 30' L. of 49+10.			
49	20.8		-15.3 -15.8 -13.3 -12.7 -12.4 32.0 28. 21. 9.		-9.3 -4.3 9. 15.4	
+90.7 B.C. 030 L. 20.8						
+80			-15.0 -16.0 -13.6 -13.2 -11.3 -11.1 -11.2 -8.9 -4.3 31.5 27. 25. 9. 5 3. 9. 15.4			
+60			-15.0 -15.8 -13.4 -13.5 -9.0 -9.2 -8.7 -4.3 31.5 76. 23.5 9. 9. 15.4			
+50	23.7		-14.9 -13.3 -13.6 -13.1 -9.5 -8.6 -7.9 -4.4 31.4 24. 9. 6.5 2. 9. 15.6			
+25			-14.7 -15.5 -13.6 -13.8 -13.2 -11.3 -5.7 -5.3 -5.1 32.0 76.5 23. 9. 4. 9. 16. 16.6			
48	20.6		-14.9 -15.7 -13.9 -13.6 -13.2 -12.6 -7.5 -3.5 31.4 26. 22.5 9. 4.5 9 14.2			

Tiered.

1269

Sta.	Ground	Grade	L.	C.	R.
+50	19.2	33.30	-13.2 -14.9 -14.0 -14.0 -10.0 -5.2 28.8 17. 9. 9. 16.8		
54	20.0		-13.3 -14.0 -13.7 -13.2 -8.7 -5.7 29.0 16. 9. 9. 17.6		
+50	20.7		-13.8 -14.2 -13.6 -12.5 -9.9 -5.3 29.7 24. 9. 9. 17.0		
53	19.4		-13.1 -14.8 -14.8 -13.8 -9.7 -5.3 28.6 20. 9. 9. 17.0		
+50	19.6		-13.7 14.5 15.2 -13.6 -13.6 -9.6 -5.1 28.8 23. 20. 9. 9. 16.6		
52	19.4	Tunnel.	-13.3 -13.9 -15.8 -13.7 -13.8 -9.8 -5.1 29.0 23 19. 9. 9. 16.6		
51 +50	19.8		-13.7 -14.2 -15.3 -13.6 -13.4 -9.8 -5.1 29.6 23. 20 9. 9. 16.6		

12710

Sta.	Ground	Grade	L.	C.	R.
+50	26.9	33.20	-11.0 -10.6 -7.9 -6.7 -4.6 -3.5 25.5 19. 9. 9. 14.2		
+25			-12.0 -12.0 -10.0 -7.9 -3.7 -3.2 29.0 20. 9. 9. 13.8		
58 +00.7 CC. 125 L.					
58	26.4		-12.6 -13.0 -11.3 -6.8 -4.7 -3.1 Stump 27.9 19. 9. 9. 13.6		
+50	23.1		-13.9 -13.3 -13.4 -11.5 -10.1 -5.7 -3.0 Stump 29.9 25. 16. 19. 9. 13.5		
BM. ~~Elev. 20.595~~ (Hashmark) on Oak Tree 200 L. of 57+50					
BM. El. 27.951 on Stump 40' R of 58+50.					
57	22.5		-14.0 -13.7 -10.7 -6.2 -3.1 30.0 9. 9. 13.6		
+50	21.7		-14.1 -14.0 -11.5 -7.1 -3.6 30.2 9. 9. 14.4		
56	21.7		-13.6 -14.1 -13.7 -13.4 -11.5 -7.6 -4.3 29.4 30. 9. 5. 9. 15.4		
+50	20.5	Leveled	-13.2 -13.9 -13.8 -12.7 -8.6 -4.8 28.8 21. 9. 9. 16.2		
55	19.6		-12.2 -14.8 -14.4 -13.6 -9.2 -5.1 28.8 18. 9. 9. 16.6		

1271

Sta.	Ground	Grade	L.	C.	R.	
62	20.9	33.20	-13.2 -13.6 -15.1 -13.4 -12.3 -6.6 -3.6 28.8 20. 14. 9 9 14.4			
+50	21.1		-13.5 -13.6 -15.2 -13.8 -12.1 -5.6 -3.5 -3.8 29.2 20. 14. 9 9. 12. 14.7			
61	21.6		-14.0 -14.1 -14.8 -14.2 -14.1 -11.6 -5.2 -3.6 -3.6 30.0 18. 15. 12. 9. 9 12. 14.4			
+50	23.0		-13.9 -14.2 -15.0 -14.0 -13.8 -10.2 -4.3 -3.4 -3.3 29.9 20. 16. 13. 9 9. 10. 14.0			
60	23.5		-13.7 -14.0 -15.0 -14.0 -13.3 -9.7 -4.8 -3.6 -3.6 29.6 18. 15. 12. 9. 9 10. 14.9			
+50	23.2	Level	-13.9 -13.1 -10.0 -4.7 -3.6 -3.5 29.9 9. 9. 10. 14.2			
59	23.4		-13.7 -12.7 -9.8 -4.2 -2.9 -3.0 29.5 9. 9. 10. 13.5			
+75			-11.8 -11.7 -8.3 -4.5 -3.2 26.7 9. 9. 13.8			

1272

Sta.	Ground	Grade	L.	C.	R.
+50	21.3	33.30	-13.1 -13.1 -15.0 -13.4 -11.9 -5.9 -3.6 -3.5 28.6 21. 15. 9. 9. 12. 14.2		
65	22.7		-13.1 -13.1 -14.8 -13.1 -13.3 -11.1 -4.8 -3.3 -3.3 28.6 23. 16. 11. 9. 9. 12. 14.0		
+50	23.3		-13.0 -13.3 -14.8 -13.2 -13.0 -9.9 -4.3 -2.7 -2.9 28.5 22. 16. 12. 9. 9. 11. 13.4		
64	23.3		-13.0 -13.1 -14.9 -13.4 -12.9 -9.9 -4.2 -3.0 -2.9 28.5 23. 18. 14. 9. 9. 12.5 13.4		
+50	22.5		-13.3 -13.6 -15.0 -13.4 -13.1 -10.7 -4.9 -3.0 -3.0 29.0 22. 16. 13. 9 9. 12.5 13.5		
BM. 29.760		Level	on Stump 40' R' of 63+10		
63	21.7		-13.4 -13.3 -15.4 -14.0 -13.7 -12.0 -5.8 -3.2 29.1 23. 15. 12. 9 9. 13.8		
62+50	20.8		-13.1 -13.4 -15.4 -14.0 -13.6 -12.4 -6.6 -3.4 28.6 20. 15. 12. 9. 9. 14.1		

1273

Sta:	Ground	Grade	L.	C.	R.
+ 30.7	24.5	33.70	-11.4 -10.0 -8.7 -7.3 -5.9 26.1 9. 9. 17.7		
+ 18.7			-13.3 -12.0 -8.9 -7.0 -5.8 +20.7 Xing 29. 9. 9. 17.7		
69 + 00.7	21.4		-13.3 -13.6 -13.4 -11.8 -11.3 -6.2 29.0 9. 5. 7. 18.3		
+ 70.7	19.2		-13.5 -13.6 -14.0 -13.1 -13.0 -7.2 29.2 9. 9. 10. 19.8		
68 + 40.7	C.C. Th L 18.9		-13.5 -13.5 -14.0 -15.3 -14.3 -13.0 -6.7 29.2 9. 5. 3. 9. 19.0		
68	19.7		-13.3 -13.6 -14.2 -12.1 -13.6 -13.5 -13.7 -10.4 -6.3 29.0 10. 9. 7. 3. 3. 9. 17.0		
+ 50	20.0		-13.4 -14.2 -15.2 -13.8 -13.2 -8.1 -4.3 29.1 14. 9. 7. 9. 15.4		
67	19.9		-13.5 -13.9 -15.3 -14.5 -13.9 -12.3 -9.0 -4.1 29.2 18. 12. 9. 7. 9. 15.2		
+ 50	20.4		-13.6 -13.7 -15.3 -13.8 -12.8 -7.0 -3.6 29.4 18. 12. 9. 9. 14.4		
66	21.2		-13.5 -13.7 -15.3 -13.6 -13.6 -12.0 -6.1 -3.3 29.2 19. 14. 11. 9 9. 14.8		

Tored

12741

Sta.	Ground	Grade	Z.	C.	R.
+50	21.3	32.70	-13.5 29.2	-12.6 9. -11.9	-11.7 -8.4 -5.3 2. 9. 17.0
72	23.3		-13.3 29.0	-12.3 -11.8 9. 2.	-9.9 -6.8 -3.8 9. 14.7
+75			-13.3 29.	-11.7 -10.4 9.	-8.8 -5.8 9. 17.7
+50	23.7		-13.0 28.5	-11.8 -10.0 9.	-7.1 -4.0 9. 15.0
+40			-13.3 29.0	-10.5 -10.1 9.	-7.7 -4.8 9. 16.2
+20			-13.4 29.1	-11.6 -9.2 9.	-6.9 -3.6 9. 14.4
71	23.2		-13.1 28.6	-11.6 -10.0 9.	-7.3 -4.3 9. 15.4
+75			-13.3 29.0	-12.1 -10.7 9.	-9.2 -6.3 9. 18.4
+50	21.4		-13.7 29.6	-13.0 -11.8 9.	-10.0 -6.1 9. 18.2

BM. 20.987. on Oak Tree 80' L of 70+24.

Level

+24			-13.4 29.1	-13.7 9.	-14.2	-12.3 -11.8 -8.9 9. 9. 20.4	
70	21.1		-13.4 29.1	-13.0 9	-12.1	-10.4 -6.4 9. 18.6	
+80			-13.2 28.8	-11.6 9.	-10.5	-7.5 -4.5 9. 15.8	
69+60.7	E.C. 23.7		-12.8 27.7	-12.6 9.	-9.5	-5.5 -3.1 9. 14.6	
+45.7			-13.4 29.1	-13.0 13.	-12.3 9.	-9.8 -6.4 9. 14.4	-3.6

12755

Pages 21 ~~To~~ Used In
Final Estimate Item No 28

Pages 7 To 33 Used In 22 35 and page 50.
Final Estimate Item No

1276

Sta.	Ground	Grade		L.	C.		R.	
+79.8	27.6	33.70	-13.7	-12.6	11.5	-5.6	-0.7	-0.4
			28.8	15.0	9.		9.	9.6
78 +49.8	C.C.T.&R.	29.9	-12.7	-12.6	-8.5	-3.3		0.0
			28.0	20.0	9.			9.0
78	29.7		-12.9	-12.6	-9.8	-4.4	0.0	+1.2
			28.4	16.0	9.		9.	11.2
+70			-12.8	-11.9	-9.7	-5.6		0.0
			28.2	16.	9.			9.0
+50	31.4		-	-11.8	-6.2	-2.8	-0.6	-0.6
	30.4 (new)			26.7	9.		9.	9.9
77	26.3		-13.7	-13.0	-11.5	-7.3	-2.6	-1.6
			29.6	18.	9.		9.	11.4
+50	26.8		-13.4	-13.0	-10.5	-6.6	-2.1	-1.4
			29.1	17.	9.		9.	11.1
76	27.8	Level	-13.7	-13.0	-10.1	-5.4	-0.7	-0.6
			29.6	16.	9.		9.	9.9
75 +50	27.0		-13.6	-13.1	-10.3	-6.2	-1.4	-0.5
			29.4	16.5	9.		11.1	9.8

1277

Sta	Ground	Grade	L.	C.	R.
+50	32.5	33.20	-13.2 -13.2 -6.1 -1.1 0.0 (+1.9) 28.8 22. 9. 3. 9.		
81	31.9		-13.2 -12.2 -7.3 -1.4 0.0 (+2.6) 28.8 20. 9. 3.2 9.		
+50	31.0		-12.4 -12.1 8.7 -2.4 0.0 (+2.3) 27.6 18. 9. 5.2 9.		
80	28.6				
+99.8 ΔE.C.	28.6		-12.9 -12.3 -10.1 -4.8 0.0 28.4 16. 9. 9.0		
+69.8	30.1		-13.1 -12.7 -8.7 -3.2 0.0 (+1.2) 28.6 21. 9. 5.8 9.		
+39.8	31.3		-13.0 -12.4 -8.0 -2.1 0.0 (+1.6) 28.5 24 9. 4.2 9		
79 +09.8	28.0		-13.0 -12.7 -10.6 -5.5 0.0 28.5 14.0 9. 9.0		

Level

12781

Sta.	Ground	Grade	Z.	C.	R.
85	34.2	33.70	-14.0 30. -13.9 39. -3.5 9. 1.6 +0.6		(+0.5) 9
+50	31.8		-14.0 30.0 -13.6 23. -6.9 9. -1.9	0.0 7.7	0.0 9.
84	30.5		-14.0 30.0 -13.7 20. -7.9 9. -3.0	0.0 9.0	
+50	29.6		-13.7 29.6 -13.9 21. -8.6 9. -3.7	-0.5 9.8	-0.3 9.4
83	30.6		-13.9 29.9 -13.8 22. -8.2 9. -2.9	0.0 9.0	
+93.9 BC. 1°Z.	29.9				
+50	31.2		-14.2 30.3 -13.6 21. -8.0 9. -2.4	0.0 4.8	(+0.8) 9.
82	30.2		-14.2 30.3 -13.4 19. -7.8 9. -3.2	0.0 9.0	

Zero

12796

Sta:	Ground	Grade	
+50	26.8		-13.4 -13.7 -10.3 -6.0 -1.6 -1.1 29.1 17. 9. 9. 10.6
88	25.8	33.70	-13.7 -13.8 -11.7 -7.4 -2.2 -1.1 29.6 15. 9. 9. 11.6
BM. Elev. 25.490.			On poplar Stump 100' Rt of 88
+50	25.3		-13.5 -13.8 -12.2 -8.0 -3.4 -2.1 29.2 16. 9. 9. 12.2
87	25.8		-14.0 -13.7 -11.8 -7.8 -2.8 -1.7 30.0 14.0 9. 9. 11.6
+50	24.5		-14.0 -13.8 -12.8 -8.7 -3.5 -2.0 30.0 12. 9. 9. 12.0
+33			-14.0 -13.8 -12.9 -8.7 -4.3 -2.6 30.0 13. 9. 9. 12.9
+12			-13.9 -13.3 -8.7 -4.2 -1.4 -1.2 29.9 19. 9. 9. 10.8
86	29.3		-14.0 -13.2 -8.9 -4.2 -1.4 -1.2 30.0 18. 9. 9. 10.8
+80			-13.6 -12.0 -7.8 -3.8 -1.9 -1.4 29.4 22. 9. 9. 11.1
+69 Xing			
+60			-8.3 -2.2 0.0 +1.6 -0.0 21.4 9. 5.2 9.0
+50	30.8		-6.7 -1.4 -2.6 -1.0 -0.9 19.0 9. 9 10.4
+35			-13.6 -2.6 -0.6 -0.4 -0.7 -0.7 29.4 9. 3. 9 10.0

Level

1280

Sta.	Ground	Grade 33.30	L.	C.	R.
92	33.8		0.0 / 9.0	+0.3	0.0 / 9.0
+50	33.8		0.0 / 9.0	+0.5	0.0 / 5.4
+25			-3.0 / 13.5	-0.7 0.0 / 9. 7.7	+1.8 / 0.0 / 9.0
91	34.7		-12.4 / 27.6	-2.4 0.0 / 9. 3.7	+1.5 (+0.3) / 9.
+57			-13.7 / 29.6	-5.5 / 9.	0.0 (+0.4) / 9.
+50	32.5		-13.3 / 29.	-11.0 / 18.	-5.4 / 9. -0.8 / 0.0 / 2.5 (+0.4) / 9.
90	32.5		-12.9 / 28.4	-13.1 / 21.	-6.1 / 9. -1.4 / 0.0 / 3.4 (+0.4) / 9.
+71			-12.6 / 27.9	-12.9 / 16.	-8.0 / 9. -3.4 / 0.0 / 9.
+67.9	Road Xing				
+59			-7.1 / 19.6	-5.2 / 9.	-2.9 / 9. -1.2 / 9. -0.5 / 9.8
+50	29.3		-8.2 / 21.3	-7.7 / 12.	-5.5 / 9. -2.8 / 9. -1.1 / 9. -0.8 / 10.2
+42		Level	-13.5 / 29.2	-14.5 / 23.	-6.8 / 9. -2.9 / 9. -0.6 / 9. -0.1 / 9.6
89	27.9		-13.5 / 29.2	-13.6 / 17.	-8.5 / 9. -4.5 / -0.4 / 9.6

1281

Sta.	Ground	Grade. 33.30	L.	C.	R.
+50	30.6		-11.1 -11.2 -7.8 -2.7 0.0 (+2.2) 25.6 15. 9. 4.5 9.		
95	31.4		-12.7 -12.5 -7.3 -2.1 0.0 (+2.2) 28.6 19. 9. 3.6 9.		
+50	32.5		-18.2 -16.7 -6.5 0.0 (+2.0) 26.3 27. 9. 1.6 9.		
94 +15.6 EC.	31.2				
94	33.8		-16.9 -15.2 -5.6 0.0 +0.2 (+2.2) 34.4 26. 9. 0.5 9.		
+75			-15.3 -14.4 -4.1 0.0 +1.2 (+2.7) 32.0 27. 9. 2.9 9.		
+50	34.2		-15.3 -14.9 -5.5 0.0 +0.6 (+2.5) 32.0 27. 9. 1.0 9.		
BM. El 28.885		on plug	R.t of 93 + 25 in fence Cor.		
+20			-11.6 -10.8 -5.1 0.0 +0.7 (+1.7) 26.4 19. 9. 1.3 9.		
93	35.3	Zero?	-9.0 -1.9 0.0 +2.0 (+2.0) 32.5 9. 5.6 9.		
+50	35.9		-3.0 -0.9 0.0 +2.7 (+1.4) 13.5 9. 7.2 9.		
+25			-3.0 -0.7 0.0 +0.8 0.0 13.5 9. 7.3 9.		

12821

Sta.	Ground	Grade 33.30	L.	C.	R.
99	30.8		-13.1 28.6 -12.7 15. -7.9 9. -7.6	0.0 4.0	(+1.5 9.)
98 +54.1	BC 0°30' R				
+50	28.8		-13.2 28.8 -12.7 14. -9.9 9. -4.4	0.0 7.4	(+0.5 9.)
+19			-13.5 27.8 -12.8 17. -8.6 9. -2.7	0.0 4.0	(+0.6 9.)
98	29.9		-18.0 36.0 -15.0 21. -9.1 9. -3.5	0.0 4.6	(+0.9 9.)
+50	31.5		-23.0 42.5 -20.5 29.6 -7.5 9. -2.0	0.0 3.1	(+1.3 9.)
97	29.8		-22.5 42.8 -21.5 28. -9.3 9. -3.6	0.0 6.2	(+1.4 9.)
+50	29.7	Level	-21.0 40.5 -19.7 27. -9.3 9. -3.6	0.0 5.5	(+1.8 9.)
96	30.3		-18.0 36.0 -17.5 26. -8.5 9. -3.1	0.0 4.5	(+2.5 9.)

1283

Sta.	Ground	Grade	L.	C.	R.
103	25.9	33.20	-15.1 -15.8 -11.7 -7.5 -1.8 -0.8 32.6 20. 9. 9. 10.2		
+40			-16.1 -16.4 -12.4 -7.7 -0.9 -0.6 34.0 17. 9 9. 9		
+50	26.8		-16.1 -16.7 -16.4 -12.0 -6.6 0.0 33.2 36. 17. 9. 9.0		
+23			-14.2 -11.5 -8.5 -3.1 0.0 (+1.0) 30.3 13. 9. 2.4 9.		
102	31.2		-14.0 -12.2 -7.0 -2.1 3.0 (+1.5) 30.0 17. 9. 3.7 9.		
+50	28.3		-13.3 -12.0 -9.9 -4.7 0.0 (+1.2) 29.0 12. 9. 6.8 9.		
101	27.5		-12.0 -12.6 -10.3 -5.5 0.0 27.0 12. 9. 9.0		
+50	29.2		-13.3 -12.5 -10.0 -4.0 0.0 (+0.7) 29.0 14. 9. 7.0 9.		
100	29.9		-12.9 -11.8 -8.6 -3.4 0.0 (+1.3) 28.4 17. 9. 5.2 9		
99+50	30.8		-13.1 -12.6 -7.9 -2.4 0.0 (+0.6) 28.6 17. 9. 4.6 9		

Zero Z

12847

Sta.	Ground	Grade. 33.70	L.	C.	R.
+ 50	30.7		-11.5 -11.0 -8.6 -3.2 0.0 (+1.7) 26.7 16. 9. 5.8 9.		
106	31.1		-11.7 -10.0 -7.0 -2.1 0.0 (+1.1) 25.8 16. 9. 4.8 9.		
BM. 29.078	on Stump 50' L of 105+50				
+ 50	32.6		-11.0 -9.7 -6.7 -0.8 0.0 (+1.8') 25.5 17. 9. 1.9 9.		
+44.1 EC.	32.7				
105	32.9		-11.7 -10.9 -5.0 -0.5 0.0 (+1.6) 25.8 17. 9. 1.0 9.0		
+ 50	32.6		-11.4 -10.6 -6.5 -0.6 0.0 (+0.8) 26.1 16. 9. 1.4 9.		
104	31.4		-11.5 -11.1 -8.0 -2.1 0.0 (+1.9) 26.7 15. 9. 3.8 9.		
+ 60			-12.1 -11.2 -8.3 -3.1 0.0 (+1.0) 27.2 14. 9. 4.0 9.		
103 + 50	29.4		-16.2 -15.8 14.0 -13.7 -9.2 -4.0 0.0 (+1.4) 33.3 26. 21.5 16. 9. 5.8 9.		
+ 35			-16.3 -16.3 -13.9 -10.9 -5.3 5.0 33.4 23. 15. 9. 9.0		
+ 15			-14.9 -15.5 -12.0 -7.0 -0.6 31.4 22. 9. 9.9		

Turned

1285

Sta.	Ground	Grade. 33.20	L.	C.	R.
110	25.1		-12.1 -10.8 -10.3 -8.1 -2.7 -1.3 27.2 9. 6. 9. 11.0		
+50	28.8		-11.0 -10.6 -9.2 -4.4 0.0 25.5 14. 9. 9.0		
+30			-11.0 -10.3 -9.2 -4.8 0.0 25.5 13. 9. 9.0		
109	26.8		-11.7 -10.5 -6.2 -0.7 -0.4 26.6 9. 9. 9.6		
+90			-11.8 -10.5 -10.0 -7.9 -2.4 -1.3 26.7 9. 6. 9. 11.0		
+70			-11.6 -11.1 -10.3 -4.3 0.0 26.4 11.0 9. 9.0		
+50	29.8		-11.6 -11.3 -8.0 -3.7 0.0 (+0.3) 26.4 15. 9. 7.9 9.		
+30			-11.4 -10.9 -7.4 -2.0 0.0 (+1.6) 26.1 11. 9. 3.2 9.		
108	27.4		-11.5 -10.1 -6.0 0.0 26.2 9. 9.0		
+50	29.8	Level	-11.7 -10.6 -8.2 -3.4 0.0 (+0.7) 26.6 14. 9. 6.2 9.		
107	30.5		-11.3 -10.4 -8.2 -3.0 0.0 (+1.3) 26.0 13. 9. 5.9 9.		

12861

Sta.		Ground	Grade 33.20	L.	C.	R.				
	+50	23.1		-11.2 25.8	-10.5 9.	-10.1	-9.2 6.	-7.6 9.	-4.0 15.	0.0 21.4
	+38			-11.4 26.1	-10.3 9.	-9.4	-5.1 9	-3.2 12.8		0.6 37.4
	+25			-11.2 25.8	-10.3 9.	-9.5 3.	-8.7	-3.6 9.	-1.8 11.7	0.0 14.1
113		24.4		-11.3 26.0	-10.4 9.	-9.5 3.	-8.8	-3.7 9.	-2.1 12.2	0.0 16.7
	+50	27.0		-11.8 26.7	-10.5 9.	-6.3		0.0 9.0		

BM. ~~Elev. 28.139.~~ on plug 60' Rt of 112+50 (Destroyed)

112	△	32.3	-11.6 26.4	-10.9 17.	-6.6 9.	-0.9	0.0 1.8	0.0 9.0	(+2.4) 9.0
	+50	30.1	-11.6 26.4	-11.2 21.	-7.8 9.	-3.1	0.0 4.4	0.0 9.0	(+1.7) 9.0
111		30.5	-11.8 26.7	-10.8 17.	-7.5 9.	-3.1	0.0 5.0	0.0 9.0	(+1.6) 9.
	+69		-11.8 26.7	-10.1 9.	-6.1		0.0 9.0		
110	+50	26.2	-11.7 26.6	-10.1 9.	-6.7	-1.6 9.	-0.9 10.4		

Level

1287

Sta.	Ground	Grade	Z. C. R.	
		33.20		
117	20.4		-13.9 -13.2 -12.9 -12.8 -12.2 -10.1 -5.8 0.0 42.9 28.8 9. 4. 9. 17.7 28.0	
+50	20.6		-13.5 -13.3 -13.0 -12.6 -12.4 8.6 -4.8 0.0 42.2 29. 9. 2. 9. 16.2 24.6	
116	22.3		-13.6 -13.0 -12.9 -12.9 -10.4 -5.4 -3.5 0.0 42.1 28.5 9. 9. 13.5 19.1	
+97.94 Sta.				
+50	21.4		R.P. 20.5 -13.1 -13.1 -12.7 -11.8 -11.6 -7.3 -4.0 0.0 40.1 28.6 9. 2. 9. 15.0 21.4	
115	21.6		R.P. 16' -11.6 -12.9 -12.5 -11.6 -10.7 -8.1 -4.3 0.0 33.4 28.4 9. 2. 9. 15.4 22.5	
+50	22.1		R.P. 11.5 -12.7 -11.8 -11.1 -10.2 -8.5 -4.4 0.0 28.0 9. 5. 9. 15.6 23.8	
114	22.0		-12.0 -11.4 -11.2 -10.4 -8.4 -4.5 0.0 27.0 9. 4. 9. 15.8 26.6	

Tract

33.
V

1288

Sta.	Ground	Grade	To	C.	R.				
120+97 EB			-16.2 -15.6 -15.4 -15.7 -14.7 -13.5 0.0						
			33.2					20.2	57. 88.
+50	18.6		-15.4	33.7	23.4	22.5		-15.1	
			-15.8 -15.6 -15.2						
			Leaving Misc. see Book page 50						
120+23 EB.			-14.7 -14.7 -14.7						
			-14.6					-14.5	
			-14.8 -14.0 -14.1 -13.2 13.6						
			30.4 9 9 19.1						
120	19.1	33.30	-14.4 -14.4 -13.9 -14.1 -14.2 -13.7 -14.7 0.0						
			43.6 30.6 9. 9. 29.6 41.6 68.1						

BM. Elev. 27.394. on plug 60' North of East end of Andreason's Xing on East side of Old Torea.

+50	19.1		-14.1 -13.9 -14.0 -14.1 -14.0 -13.3 -13.0 0.0						
			43.2 29.9 9. 9. 28.8 37.8 82.8						
119	19.6		-13.9 -13.7 -13.8 -13.6 -12.7 -10.7 -11.2 0.0						
			42.9 29.6 9. 9. 26.6 36.4 67.2						
+75			-14.4 -14.4 -14.2 -14.0 -14.0 -12.7 0.0						
			43.6 30.6 9. 9. 28.0 54.5						
+50	19.3		-14.2 -14.2 -13.9 -13.9 -13.9 -13.8 -12.4 0.0						
			43.3 30.3 9. 9. 27. 27.6 50.1						
118	20.4		-14.5 -14.0 -13.8 -12.8 -12.5 -12.1 -11.3 0.0						
			42.8 30.0 9. 9. 25. 36. 41.4						
117 +50	20.6		-14.4 -13.5 -12.9 -12.7 -12.7 -11.7 -9.7 0.0						
			42.6 29.2 9. 9. 20. 23.6 39.5						

Here Right of 118 on the Right of E extends to Toe of Slope of Excavation Dist. 118+50 between 117+50 and Tie at 120+12.3 He proposed C/L line

1289

X Secs to fill 25. Hole between levels

Sta.	Ground	Grade	L.	C.	R.				
BM. Elev: 20.000			on poplar Tree at Cliff-House		124+94	0.0	0.0		
124	18.1				124+50	-3.5	-9.8	0.0	Level
					Elev.	142.	146.	144.5	
						-3.3	-13.1	-12.3	0.0
						97.	128.	149.	175.5
+50	18.5								
BM. 34.358 on bolt on East of Backwall. N° abut!									
+16.7	Backwall of North Abutment				-14.5	-14.8	-8.5	-4.8	-3.8
					30.8	25.	9.		3.
+13					-15.0	-14.7	-7.4	-3.7	-3.2
					31.5	28.5	9.		9.
+05.1									
123		29.7			-6.6	-3.8	-3.5	-3.5	-5.6
					18.9	13.01	9.		9.
+85						3.7	-5.5	-8.5	-11.5
						14.6	9.		9.
+60						3.3	-9.6	-13.8	-14.1
						21.0	33.4	9.	
+50	18.5					3.4	-10.4	-14.3	-14.7
						45.5	24.6	9.	
+30						-3.7	-13.4	-14.6	-14.6
						60.0	29.1	9.	
122		17.7				-3.5	-9.8	-13.1	-15.0
						84.0	66.	28.6	9.
+50	17.9					-14.9	-15.0	-15.0	-15.3
						61	21.8	9.	
BM. 32.888 on Tree 50' L of 121+50									
121		17.7				-16.0	-16.6	-15.7	-15.5
						33.	25.	9.	

Sta.									
					-14.8	-14.8	-14.3	0.0	Level
					9.	31.2	91.	120.5	
					-14.8	-14.7	-14.6	0.0	Level
					9.	31.0	86.	115.0	
					-15.5	-15.3	-15.3	-14.0	0.0
					9.	32.0	80.	108.0	
					-15.3	-15.1	-13.7	0.0	Right Level
					9.	31.6	71.	104.0	
					-15.5	-15.0	-14.4	-13.7	0.0
					9.	30.6	60.5	92.0	

1260

Pages 36 ~~To~~ Used In
Final Estimate Item No 46.

1291

| | | |

Sta.	Ground	Grade		L.	C.	R.
			R.B. 20' Left 16.0			
135	13.2	32.618	- 19.0	19.7	-20.0	-19.4 -20.0 -20.0
			44.5	38.6	9.	9. 39.0
			R.B. 20' Left 20.5			
+50	13.6		- 18.2	-18.8	-19.5	-19.5 -19.5 -20.0
			47.8	37.2	9.	9. 39.0
			R.B. 22' Left			
134	14.4	32.657	- 18.7	-19.0	-18.8	-18.7 -19.0 -19.3
			50.0	37.8	9.	9. 38.0
			R.B. 24.5' Left			
+50	14.7		-17.0	-18.0	-18.5	-18.4 -18.6 -18.7
+38 Ł			50.0	36.0	9.	9. 37.0
			R.B. 27' Left			
133	14.8	32.696	-17.1	-17.8	-18.1	-18.3 -18.1 -18.4
			52.6	35.7	9.	9. 36.6
			R.B. 32' Left			
+50	15.5		- 16.8	17.4	-17.4	-17.6 -17.6 -17.6
			57.2	35.1	9.	9. 35.9
BM. Elev. 15.644.			On Oak Tree 100' Rt. of 132+50			
			R.B. 27' Left			
132	15.9	32.734	-15.8	-16.9	-16.9	-17.2 -17.2 -17.3
			60.7	34.4	9.	9. 35.0
			R.B. 41' Left.			
131+50	16.5		-15.6	-16.3	-16.6	-16.6 -16.6 -17.1
			64.4	33.4	9.	9. 34.6

1263

Sta.		Ground	Grade	L.	C.	R.
139		10.9	32.462			
	+ 50	11.4				
138		11.5	32.501			
	+ 50	11.8				
137		12.4	32.540			
	+ 77.6 ⊙					
			B.M. 33.807	end of Bridge.		
	+ 50	12.3		-20.5 -20.6 -21.0 -21.1		
EB.	+ 13.2	Beg^g of Permanent Trestle	32.574	-20.4 -20.6 -20.6 -20.8 -21.2		
				39 9. 9 41.8		
136		12.2	32.579	-19.5 -20.6 -20.9 -20.9 -21.1		
				38.7 9. 9. 40.6		
				RB 11.5 on Left		
135	+ 50	12.8		-19.5 -19.8 -20.4 -20.3 -20.5 -21.0		
				40.7 38.7 9. 9. 40.5		

12647

Sta.	Ground	Grade	L.	C.	R.
143	8.3	32.307			
+50	8.8				
142.	9.0	32.346			
+50	9.1				
141	9.2	32.385			
+50	9.6				
140	10.0	32.424			
139+50	10.2				

1295

Ch	Ground Levels	T. P.	
1425			
	7.8	32.230	
1430	7.2		
1446	7.3	32.191	
1450	7.5		
1464	8.0	32.268	
1470	8.2		
1475.8			

1296

Sta.	Ground	Grade	To.	C.	R.
~~B.M. Elev. 20.456. on plug at Fence Cor. left of 149+50 (Destroyed)~~					
+50	18.2				
149+43.9	C.C.&R.	17.4	32.058	06	
B.M. El: 21.640 on plug 65' left of 149+15. near fence					
149+13.9		15.8	32.069	05	
+83.9		13.5	32.081	04	
+53.9		9.1	32.093	04	
148+23.9		8.7	32.104	03	
+93.9		8.2	32.116	02	
+63.9		8.0	32.127	01	
147+33.9	B.C.T.&R.	7.4	32.139	00	
147		6.4	32.152	1	

H.W. Mar 21/07
Elev. 13.2
H.W. Mar 25/07
Elev. 13.8

1297

Sta.	Ground	Grade	L.	C.	R.
			Pipe ?		
153	26.5	31.919	-4.7 -4.8 -5.4 -5.3 -6.5 16.0 9. 9. 18.8		
+50	26.0		-5.1 -5.6 -5.7 -6.0 -6.7 16.6 9. 9. 19.0		
152	26.8		-4.4 -4.7 -5.2 -4.4 -5.3 15.6 9. 9. 17.0		
+50	27.3		-4.1 -4.6 -4.7 -5.1 -5.5 15.2 9. 9. 17.2		
151	27.0	31.997	-5.3 -5.3 -5.0 -5.0 -5.0 17.0 9. 9. 16.8		
150+95	Farm Xing				
+50	25.2		-7.5 -6.9 -6.8 -6.2 -6.0 20.2 9. 9. 18.		
150+16	EB.		-8.6 -9.0 -8.9 -9.5 -8.6 21.9 9. 9. 21.9		
150+02.	Toe.		-11.6 -9.6 -9.3 -9.7		
150		22.0 32.036			

1268

July 18/07 44.

Sta:	Ground	Grade	L.	C.	R.	
+50	27.6		-3.5 -3.9 -4.2 -4.5 -4.6			
			14.2 9. 9. 9. 15.9			
+25			-3.7 -4.0 -4.4 -4.8 -4.5			
			14.6 9. 9. 15.8			
156	28.3	31.803	-3.4 -3.5 -3.5 -3.7 -4.0			
			14.1 9. 9. 15.0			
+50	28.6		-3.4 -3.6 -3.0 -3.3 -3.0			
			12.6 9. 9. 13.5			
155	29.2		-3.7 -3.4 -3.6 -3.0 -3.1			
			12.3 9. 9. 13.6			
+50	28.7		-2.9 -2.8 -3.7 -3.9 -3.3			
			13.4 9. 9. 14.0			
154	28.1		-3.7 -3.7 -3.8 -4.1 -4.5			
			14.6 9. 9. 15.8			
153+50	26.7		-4.5 -4.8 -5.1 -5.1 -5.3			
			15.8 9. 9. 17.0			

1296

Sta.	Ground	Grade	L.	C.	R.		
159+80.6 } 114+87 }	BEC. 28.2	31.655	-3.3 14.0	-3.4 9.	-3.4	-3.3 9.	-3.4 14.1
+50.6	28.8	31.667	-3.1 13.6	-3.1 9.	-3.0	-3.0 9.	-2.9 13.4
159+30.6	29.3	31.678	-2.8 13.2	-2.6 9.	-2.5	-2.3 9.	-2.5 12.8
+90.6	29.8	31.690	-2.4 12.6	-2.2 9.	-2.0	-2.2 9.	-2.3 12.4
+60.6	29.5	31.702	-2.3 12.4	-2.2 9.	-2.3	-2.3 9.	-2.2 12.3
158+50	Farm Xing	31.706					
+30.6	29.1	31.714	-2.6 12.9	-2.6 9.	-2.7	-2.6 9.	-2.6 12.9
158+00.6	28.5	31.725	-2.9 13.4	-3.1 9.	-3.3	-3.1 9.	-3.2 13.8
157+70.6 C.C. T.R.	28.3	31.737	-3.5 14.2	-3.5 9.	-3.5	-3.1 9.	-3.0 13.5
+50	27.9	31.745	-4.0 15.0	-4.2 9.	-3.9	-3.7 9.	-3.5 14.2
157	27.6	31.764	-4.0 15.0	-4.1 9.	-4.2	-4.3 9.	-4.2 15.3

4.P. 27.3% Subgrade +

1300

Pages 46 To 49 Used
Final Estimate Item No, 55.

1301

Sta.	Ground	Grade	Lo.	C.	R.
122	39.2		+9.8 9.3 +8.7 +8.1 +7.6 +7.0 +6.4 +6.3 +4.7		
BM. Elev: 39.258			46. 34. 18.2 19 19 16.4 22. 47.		
			on Tree 50 Lt. of 121+70		
+50	38.8		+9.7 +8.8 +8.2 +7.7 +7.3 +7.6 +6.4 +6.3 +4.5		
			46. 32. 18.2 10. 10. 16.4 25 47.		
121	38.6	31.417	+8.4 +8.1 +8.0 +7.5 +7.2 +6.1 +5.7 +5.5 +4.4		
			46. 31 18.0 10. 10. 15.7 23. 47.		
+75			+7.8 +7.6 +7.0 +6.6 +6.3 +6.4 +6.5 +6.3 +3.5		
			46. 34. 17.0 10. 10. 16.5 30. 47.		
+50	36.9.		+7.3 +6.4 +6.5 +6.3 +5.5 +4.7 +4.7 +4.6 +4.4		
			46. 30. 16.5 10. 10. 14.7 24. 47.		
120	36.8		+5.6 +5.6 +5.6 +5.4 +5.3 +4.7 +4.4 +3.5 +3.0		
			46. 26. 15.6 10. 10. 14.4 22. 47.		
+50	35.6		+3.8 +4.4 +4.2 +4.2 +4.0 +3.8 +3.8 +3.4 +2.3		
			46. 27. 14.2 10. 10. 13.8 19. 47.		
119	34.0		+2.3 +3.0 +2.9 +2.7 +2.5 +2.5 +2.5 +2.4 +1.1		
			47. 24. 12.9 10. 10. 12.5 20. 47.		
118+50	32.1		+1.3 +1.1 +0.9 +0.4 +0.5 +0.5 +0.5		
			47. 11.1 10. 10. 10.5 47.		

1302

Sta.	Ground	Grade	Tr.	C.	R.
+ 50	40.1		+10.5 +9.8 +9.8 +9.1 +8.8 +8.6 +8.7 +7.6 +7.2 46. 30. 19.8 10. 10. 18.2 30 46		
125	41.1		+11.1 +10.9 +10.6 +10.2 +9.8 +9.4 +9.0 +8.8 +7.9 46. 33. 20.6 10. 10. 19.0 33. 46.		
+ 50	41.4		+11.5 +11.1 +10.6 +10.3 +10.1 +9.9 +9.5 +9.7 +8.3 46. 31. 20.6 10. 10. 19.5 32. 46.		
124	41.5	31.30	+11.2 +10.8 +10.8 +10.4 +10.0 +9.7 +9.1 +8.5 +9.6 +9.1 +8.0 46 33. 20.8 10. 10. 19.1 25 29 43. 46.		
+ 50	40.3		+10.5 +10.0 +9.7 +9.4 +9.0 +8.5 +8.2 +7.9 +8.8 +8.4 +7.6 46. 32. 19.7 10. 10. 18.2 25 29. 44. 46		
123	39.5		+10.5 +9.9 +9.5 +9.0 +8.7 +7.9 +7.3 +7.0 +8.7 +7.9 +6.2 46. 34. 19.5 10. 10. 17.3 24. 29. 42. 47.		
+ 50	39.2		+9.9 +9.6 + 8.9 +8.3 +7.9 +7.9 +7.7 +7.4 +4.9 46. 36 18.9. 10. 10. 17.7 24. 47		

1303

Sta.	Ground	Grade	L.	C.	R.				
129	29.9	31.106	-1.0	-1.1	-1.4	-1.4	-1.4		
			10.5	9.		9	11.1		
+50	30.5		-0.7	-0.7	-0.7	-1.7	-1.4		
			10.0	9.		9.	11.1		
+29			0.0		-0.2	-0.3	-0.3		
			10.0			9.	9.4		
+11			+0.4	+0.4	0.0		0.0		
			10.4	10			10.0		
128	31.8	31.145	+1.7	+0.9	+0.8	+0.8	+0.6	0.0	0.0
			46.	27.	10.8	10.		10.0	46.
+50	33.8		+3.7	+2.8	+2.4	+2.5	+2.6	+1.7	+1.6	+1.0	0.0
			46.	28.	12.4	10.		10.	11.6	24.	46.
127	35.0	31.184	+5.1	+4.6	+4.1	+4.2	+3.8	+3.7	+3.5	+2.8	+1.8
			46.	30.	14.1	10.		10	13.5	26.	46.
+50	37.3		+7.7	+7.0	+6.6	+6.3	+5.9	+5.6	+5.2	+4.7	+3.7
			46.	31.	16.6	10.		10.	15.2	28.	46.
126	39.0		+8.7	+8.5	+8.4	+7.9	+7.7	+7.3	+7.2	+6.3	+5.5
			46.	32	18.4	10.		10.	17.2	31.	46.

1304

Final Estimate Item No.

1305

Sta.	Ground	Grade		L.	C.	R.		
+50	33.6			+3.2 12.2	+2.8	+1.8 11.8	0.0 33.5	-0.7 47.
136	33.4	30.835	rear tone	+4.0 22.5	+3.8 13.8	+2.6	+1.5 11.5	0.0 41.	-0.7 47.
+50	33.7		rear tone	+4.8 29.0	+4.2 14.2	+2.9	+2.0 12.0	0.0 42.0	-0.4 47.0
135	34.3	30.874		+5.5 37.5	+4.4 14.4	+3.5	+3.0 13.0	+1.0 47.0	
+50	35.6			+6.1 43.0	+4.6 14.6	+4.3	+3.8 13.8	+1.8 47.0	
134	35.6	30.913		+6.6 47.0	+5.1 15.1	+4.7	+3.5 13.5	+2.0 47.0	
+50	34.6			+6.3 47.0	+5.3 15.3	+4.4	+3.5 13.5	+2.2 47.0	
133	34.2	30.952		+5.7 47.0	+4.6 14.6	+3.3	+3.0 13.0	+2.3 47.0	

1306

Sta.	Ground	Grade	L.	C.	R.
140	25.7	30.680	-4.8 -4.9 -5.0 -5.0 -6.1 -6.6 -6.3 16.2 9. 6. 9. 13.5 18.4		
+50	26.4		-3.6 -4.0 -4.3 -5.1 -5.0 14.4 9. 9. 16.5		
139	27.2	30.719	-2.1 -2.4 -3.5 -3.6 -3.7 12.2 9. 9. 14.6		

BM 32.523 in Fence Cor 0.014
50' L. of 138+40 0.038 30.719

+50	29.7	30.	-1.0 -1.1 -1.8 -1.3 -1.6 -1.6 10.5 9. 3. 9. 11.4		
138	31.0	30.758	0.0 0.0 0.0 10.0 10.0		
+50	32.0		+2.3 +1.5 +1.1 0.0 -1.3 12.3 11.1 31.3 47.		

BM. 34.685 in plug 30' L. of 137+50 at Fence Intersec. Destroyed

137	33.7	30.796	+3.1 +2.4 +1.7 0.0 -0.7 13.1 11.7 35. 47.		

1307

Sta.	Ground	Grade.		Z.	C.	R	
144	27.7	30.624	-4.3 15.3	-4.0 9.	-3.6	-3.3 9.	-3.1 12.6
+50	27.0	30.631	-4.3 15.4	-3.9 9.	-3.9	-3.6 9.	-3.4 14.1
143	25.8	30.638	-6.1 18.2	-5.6 9.	-5.0	-4.4 9.	-4.1 15.3
+50	23.6	30.645	-8.2 21.3	-7.6 9.	-7.2	-6.8 9.	-6.3 18.4
142	22.2	30.652	-9.2 22.8	-8.9 9.	-8.4	-8.3 9.	-7.7 20.6
+50	21.3	30.659	-9.9 23.9	-9.7 9.	-9.6	-9.4 9.	-9.0 22.5
+14			-9.2 22.8	-9.3 9.	-8.9	-9.1 9.	-9.0 22.5
141	22.1	30.666	-8.6 21.9	-8.8 9.	-8.8	-9.0 9.	-8.6 21.9
+50	23.9	30.673	-6.7 19.0	-6.8 9.	-6.8	-6.9 9.	-7.9 20.9

1308

Sta.	Ground	Grade		L.	C.	R	
148		17.5	30.568	-13.0 28.5	-13.1 9.	-13.1	-13.1 9.	-13.0 28.5
	+50	18.7	30.575	-12.3 27.4	-12.3 9.	-12.4	-12.5 9.	-12.5 27.8
147		19.0	30.582	-11.7 26.6	-11.6 9.	-11.6	-11.8 9.	-11.8 26.7
B.M. Elev. 18.905 on plug at Tree 150' Rt of 147. (Destroyed)								
	+50	20.3	30.589	-10.2 24.3	-10.3 9.	-10.3	-10.4 9.	-10.2 24.3
146		22.4	30.596	-8.4 21.6	-8.3 9.	-8.4	-8.4 9.	-8.5 21.8
	+50	24.1	30.603	-7.1 19.6	-6.9 9.	-6.7	-6.6 9.	-6.6 18.9
B.M. 23.980. on plug 50' In of Sta. 145.								
145		25.7	30.610	-5.6 17.4	-5.6 9.	-5.1	-5.0 9.	-5.0 16.5
	+50	26.9	30.617	-4.5 15.8	-4.3 9.	-3.9	-3.6 9.	-3.6 14.4

-0.014

1309

No.	Ground	Grade		Z.	C.	K.	
152	17.9	30.512	-13.6 29.4	-13.3 9.	-13.1	-13.4 9.	-13.7 29.C
+50	17.3	30.519	-13.4 29.1	-13.4 9.	-13.7	-13.2 9.	-13.4 28.5
151	17.5	30.526	-13.3 29.0	-13.4 9.	-13.1	-13.1 9.	-13.3 29.0
+50	17.3	30.533	-13.3 29.0	-13.6 9.	-13.7	-13.3 9.	-13.2 28.8
150 T.P. 30.520	17.2	30.540	-13.3 29.0	-13.3 9.	-13.3	-13.4 9.	-13.0 28.5
+50	17.7	30.547	-13.3 29.0	-13.1 9.	-12.8	-13.0 9.	-13.1 28.C
149	17.5	30.554	-13.0 28.5	-13.0 9.	-13.1	-12.8 9.	-13.1 28.6
+50	17.7	30.561	-13.0 28.5	-13.0 9.	-12.9	-12.9 9.	-12.9 28.4

0.014

1310

Sta.	Ground	Grade	Z.	O.	R.		
156	17.4	30.456	-13.2 28.8	-13.1 9.	-13.1	-13.3 9.	-13.5 29.2
+89			-12.5 27.8	-12.3 9.	-12.5	-12.6 9.	-12.6 27.9
+50	17.0	30.443	-13.6 29.4	-13.8 9.	-13.5	-13.5 9.	-13.4 29.1
155	17.3	30.470	-13.2 28.8	-13.3 9.	-13.2	-13.3 9.	-13.3 29.0
+50	17.6	30.477	-13.0 28.5	-13.0 9.	-12.9	-13.0 9.	-13.2 28.8
154	17.8	30.484	-13.0 28.5	-12.9 9.	-13.0	-13.2 9.	-13.4 29.1
+50	17.7	30.491	-12.8 28.2	-12.8 9.	-13.0	-13.1 9.	-13.5 29.2
153	17.4	30.498	-13.3 29.0	-13.1 9.	-13.1	-13.4 9.	-13.5 29.2
+50	17.4	30.505	-13.0 28.5	-13.1 9.	-13.1	-13.5 9.	-13.5 29.2

-0.014

13110

Sta.	Ground	Grade	L.	C.	R.	
160	16.9	30.400	-14.0 30.0	-13.6 9.	-13.5	-13.4 9.	-13.1 28.6
+50	16.6	30.407	-13.7 29.6	-13.8 9.	-13.8	-13.8 9.	-13.8 29.0
159	16.5	30.414	-13.8 29.7	-13.9 9.	-13.9	-13.7 9.	-13.5 29.2
+50	16.5	30.421	-13.9 29.9	-13.9 9.	-13.9	-13.9 9.	-13.6 29.4
158	16.4	30.428	-13.9 29.9	-14.1 9.	-14.0	-14.2 9.	-13.9 29.9
+50	16.5	30.435	-13.7 29.6	-13.9 9.	-13.9	-13.8 9.	-13.8 29.7
157	17.7	30.442	-13.5 29.2	-13.5 9.	-13.7	-13.7 9.	-13.7 29.6
+50	17.5	30.450	-13.5 29.2	-13.6 9.	-13.6	-13.1 9.	-13.4 29.1

BM. 17.273 on plug 180' L of 156 in fence.

-0.014

1312

Sta:	Ground	Grade	L.	C.	R.	
164	16.6	30.344	-14.0 30.0	-14.0 9.	-13.8	-13.5 9.	-13.8 29.7
	+50	16.8	30.351	-13.7 29.6	-13.7 9.	-13.6	-13.6 9.	-13.8 29.7
163		16.9	30.358	-13.5 29.2	-13.6 9.	-13.5	-13.5 9.	-13.5 29.2
	+50	17.1	30.365	-13.6 29.4	-13.4 9.	-13.3	-13.3 9.	-13.4 29.1
162		17.4	30.372	-13.4 29.1	-13.1 9.	-13.0	-12.8 9.	-12.7 28.0
	+50	17.7	30.379	-13.1 28.6	-12.9 9.	-12.7	-13.1 9.	-12.5 27.8
161		17.5	30.386	-13.2 28.8	-13.0 9.	-13.0	-13.1 9.	-13.1 28.6
	+50	17.3	30.393	-13.5 29.2	-13.4 9.	-13.1	-13.3 9.	-13.0 28.5

1313

Sta	Ground	Grade	L	C	R
167	16.4	30.302			
166+80	Pipe	18" (?)			

BM. 17.845 on plug in Fence 155' Rt of 166+20.

Toe of Slope.

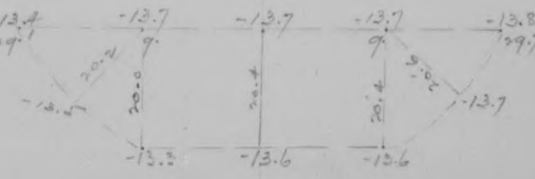
				-13.6	-13.6	-13.4	
			-13.7				-13.9
			20:1	10:1	20:1	20:1	20:1
166+23 EB.	16.5	30.313	-13.5 29.7	-13.6 9.	13.6	-13.4 9.	-13.6 29.4
166	16.7	30.316	-13.7 29.6	-13.5 9.	-13.7	-13.6 9.	-13.7 29.6

BM (old) Elev: 17.064 on plug at Tree 150' Rt of 166.

+50	16.5	30.323	-14.0 30.0	-13.9 9.	-13.8	-13.7 9.	-13.5 29.7
165	16.8	30.330	-14.0 30.0	-13.7 9.	-13.5	-13.6 9.	-13.3 29.0
+50	16.5	30.337	-14.0 30.0	-14.2 9.	-13.8	-13.5 9.	-13.4 29.1

1314

Sta:	Ground	Grade	L.	C.	R.	
171	17.7	30.246	-13.8 29.7	-13.4 9.	-13.0	-13.2 9.	-13.2 28.8
+50	16.6	30.253	-13.5 29.2	-13.5 9.	-13.8	-14.0 9.	-14.0 30.0
170	16.3	30.260	-14.1 30.2	-14.0 9.	-14.0	-14.0 9.	-13.7 29.6
+50	16.8	30.267	-13.1 28.6	-13.4 9.	-13.5	-13.6 9.	-13.7 29.6
169	16.6	30.274	-12.9 28.4	-13.1 9.	-13.7	-13.9 9.	-14.0 30.0
+50	16.9	30.281	-12.0 28.5	-13.3 9.	-13.4	-13.3 9.	-13.6 29.4
168	16.6	30.288	-13.1 28.6	-13.3 9.	-13.7	-13.8 9.	-13.8 29.7
167+72 EB.		30.297	-13.4 29.1	-13.7 9.	-13.7	-13.7 9.	-13.8 29.7



1315

Sta.	Ground	Grade	L.	C.	R.		
175	17.3	30.190	-13.2 28.8	-13.0 9.	-13.0	-12.8 9.	-12.3 27.4
+50	17.6	30.197	-12.8 28.2	-12.8 9.	-12.6	-12.3 9.	-12.2 27.3
174+10 174+00 Hand Car Berth							
174	17.9	30.204	-13.0 28.5	-12.5 9.	-12.3	-12.3 9.	-12.0 27.0
+50	18.1	30.211	-12.7 28.0	-12.3 9.	-12.1	-12.1 9.	-11.8 26.7
173	18.2	30.218	-12.7 28.0	-12.0 9.	-12.5	-12.1 9.	-11.9 26.9
+50	17.8	30.225	-13.2 28.8	-13.0 9.	-12.4	-12.3 9.	-12.0 27.0
172	17.5	30.232	-13.1 28.6	-12.9 9.	-12.7	-13.0 9.	-12.6 27.9
+50	16.7	30.239	-13.8 29.7	-13.4 9.	-13.5	-13.3 9.	-12.9 28.4

1316

Sta.	Ground	Grade	L.	C.	R.
+ 23	in Ditch		-14.4 +14.0 -13.8 -14.4 -14.2 -14.0 -14.2 30.6 9. 4. 5. 9. 30.3		
178	16.0	30.148	-14.4 -13.9 -15.5 -14.1 -13.9 -14.0 30.6 9. 4. 9. 30.0		
+ 50	16.5	30.155	-14.3 -13.9 -15.1 -13.6 -13.5 -13.6 -13.4 30.4 18. 14. 9. 9. 29.1		
177	16.3	30.162	-13.9 -14.- -15.1 -13.8 -13.7 -13.9 -12.7 -13.3 29.9 28. 2. 19.0 9. 9. 29.0		

~~BM.~~ 18.121 on plug 60' Rt of 176+65 in Fence

+ 50	16.5	30.169	-14.0 30.0	-13.7 9.	-13.7	-13.6 9.	-13.3 29.0
176	16.9	30.176	-13.8 29.7	-13.6 9.	-13.3	-13.4 9.	-12.8 28.2
+ 50	17.0	30.183	-13.5 29.2	-13.1 9.	-13.2	-13.1 9.	-12.2 27.3

~~BM. Elev. 17.255~~ on plug at Small Tree 20' Rt of 176+60 (Destroyed)
BM Elev. 17.950 on plug in Fence 60' Rt of 176+60.

1317

Sta.		Ground	Grade	Z.	C.	R.			
182		14.7	30.092	-14.9 31.4	-15.2 9.	-13.2	-15.2 9.	-14.5 30.9	
	+50	15.8	30.099	-14.5 30.8	-14.3 9.	-14.3	-14.7 9.	-14.6 30.9	
181		15.6	30.106	-14.5 30.8	-14.1 9.	-14.5	-14.9 9.	-14.9 31.4	
	+50	15.7	30.113	-15.0 31.5	-14.5 9.	-14.4	-14.2 9.	-14.7 30.3	
180		15.0	30.120	-15.2 31.8	-15.1 9.	-15.1	-15.1 9.	-14.2 30.3	-14.6 30.9
	+50	15.0	30.127	-15.0 31.5	-15.0 9.	-15.2	-14.9 9.	-14.2 31.5	-15.6 -14.4 -14.2 24. 29. 30.3
179		14.9	30.134	-15.3 32.0	-15.2 9.	-15.2	-14.8 9.	-15.1 14.5	-15.0 -14.6 19.5 30.9
	+50	16.8	30.141	-14.4 30.6	-14.2 9.	-13.8	-14.1 2.	-15.4 -14.6 -14.1 5. 9. 30.6	

1318

Sta.	Ground	Grade		L.	C.	R.		
+50	15.4	30.043	30.5 R.B on Left	-14.6 42.4	-14.8 9.	-14.8 9.	-14.6 30.9	-14.6 32.4	H.T track on Right
185	15.3	30.050	16' R.B on Left	-14.7 38.0	-14.7 9.	-14.7 9.	-14.7 31.0		H.B to House Track on Right
+50	15.7	30.057	11.5 R.B on Left	-14.9 33.9	-14.8 9.	-14.8 9.	-14.9 31.4	-14.9 31.4	
184 H.B to Siding on Left.	15.7	30.064		-14.8 31.4	-14.9 9.	-14.9 9.	-14.9 31.4	-14.9 31.4	
+50	15.3	30.071		-14.7 31.0	-14.8 9.	-14.8 9.	-14.9 31.2	-14.8 31.2	
183	15.7	30.078		-14.6 30.9	-14.5 9.	-14.6 9.	-14.5 31.0	-14.8 31.0	

Add for Ditch at 182+83. 64 × 3.0 × 0.8 = 5.7 Cu. Yds.

BM. 16.056. on plug 58' Rt of 182+75 in Fence

+50	15.4	30.085		-14.5 30.8	-14.7 9.	-14.9 9.	-14.9 31.0	-14.6 30.9

13194

Sta.	Ground	Grade		L.	C.	R.			
189	15.3	29.994		-15.1 44.6	-14.8 9.	-14.8	-14.8 9.	-14.7 31.0	-9.1 48.7
+50	15.3	30.001	13' Centers	-14.8 44.2	-14.7 9.	-14.7	-14.9 9.	-14.9 31.9	-10.3 48.3
188	15.5	30.008	Left	-14.3 43.4	-14.5 9.	-14.5	-14.5 9.	-14.6 30.9	-11.5 47.7
+50	15.9	30.015		-14.1 43.2	-14.1 9.	-14.1	-14.1 9.	-14.6 30.9	-13.1 47.6
187	15.5	30.022	Siding 5m	-14.0 43.0	-14.1 9.	-14.5	-14.5 9.	-14.6 30.9	-14.5 47.8
+50	15.5	30.029		-14.1 43.2	-14.1 9.	-14.5	-14.6 9.	-14.6 30.9	-14.6 43.4
186	15.4	30.036	22' RB on left	-14.6 43.9	-14.7 9.	-14.6	-14.7 9.	-14.7 31.0	-14.7 37.0

House Track on Right

1320

Sta.	Ground	Grade		Z.	C.	H.		
193	14.7	29.938		-15.3 45.0	-15.3 9.	-15.2 9.	-15.3 31.0	-0.1 62.3
+50	14.9	29.945		-14.7 44.0	-15.1 9.	-15.0 9.	-15.2 31.8	-0.2 50.8
192	14.9	29.952		-15.0 44.5	-15.0 9.	-15.0 9.	-15.1 31.0	-0.7 48.9
+50	14.6	29.959	Earth	-15.0 44.5	-14.9 9.	-15.4 9.	-15.2 31.1	-1.7 48.8
191	15.2	29.966	Earth	-15.1 44.6	-14.9 9.	-14.8 9.	-14.9 31.1	-3.2 48.7
+50	14.5	29.973	Stiff Clay	-15.2 44.8	-15.5 9.	-15.5 9.	-15.4 31.4	-4.7 48.4
190	14.9	29.980		-14.8 44.2	-15.0 9.	-15.1 9.	-15.1 31.8	-6.2 48.7
+50	15.2	29.987		-15.2 44.8	-15.1 9.	-14.8 9.	-14.9 31.0	-7.5 48.2

1321

Sta.	Ground	Grade	L.	C.	R.	67.
197	14.9	29.882	-14.9 -14.9 -15.0 -15.1 -15.1 44.4 9. 31.6			-0.1 53.4
+50	14.8	29.889	-14.7 -15.0 -15.0 -15.0 -14.9 44.0 9. 31.4			+0.3 53.4
196	15.5	29.896	-14.7 -14.8 -14.7 -14.6 -14.8 44.0 9. 31.2			+0.2 53.3
+50	15.7	29.903	-14.4 -14.6 -14.8 -15.1 -14.9 43.6 9. 31.4			0.0 53.1
195	15.6	29.910	-14.2 -14.2 -14.3 -14.5 -14.8 42.6 9. 31.2			0.0 53.1
+50	15.4	29.917	-14.5 -14.5 -14.5 -14.3 -14.9 43.8 9. 31.4			+0.6 53.7
194	15.2	29.924	-14.8 -14.8 -14.7 -14.8 -14.6 44.2 9. 30.9			+0.5 53.7
+50	15.0	29.931	-14.9 -15.1 -14.9 -14.7 -14.4 44.4 9. 30.2			+0.6 53.7

Test

Setting

1322

Sta.	Ground	Grade	L.	C.	R		68.
+50	14.0	29.833	-15.4 -16.1	-16.2	-16.2	-16.2	-1.0
			45.1 9.		9.	33.3	54.4
200	14.7	29.840	-15.4 -15.7	-15.6	-15.9	-16.0	-0.8
			45.1 9.		9.	33.0	54.9
+50	14.3	29.847	-15.6 -15.9	-15.7	-15.7	-15.8	-0.5
			45.4 9.		9.	32.7	53.9
199	14.2	29.854	-15.4 -15.1	-15.4	-15.7	-15.7	0.0
			45.1 9.		9.	32.6	53.7
+50	14.3	29.861	-15.1 -15.2	-15.5	-15.3	-15.3	-0.6
			44.6 9.		9.	32.0	54.1
198	14.9	29.868	-15.0 -15.0	-15.0	-15.0	-15.3	-0.3
			44.5 9.		9.	32.0	53.7
+90	EB.	29.869	-14.9 -15.1	-15.1	-15.0	-15.1	
			44.2		9.	31.6	
Toe.		74' Opening					
+50	14.8	29.875					-0.6
							54.0
Toe							
+16	EB.	29.879	-14.7 -14.7	-14.7	-14.9	-15.1	
			44.0 9.		9.	31.6	+14. Fence

BM. 14.380 on plug 167' West of Sta 197. in fence

Siding on Left

-0.014

1323

Sta.	Ground	Grade		L.	C.	R.		Cg.
+50	14.2	29.777		-15.0 44.5	-15.8 9.	-15.6	-15.9 9.	-15.8 32.7	0.0 53.2
204	13.8	29.784		-16.0 46.0	-16.1 9.	-16.0	-16.1 9.	-15.9 32.9	-1.4 55.2
+50	13.7	29.791		-15.8 45.7	-16.1 9.	-16.1	-16.1 9.	-16.1 33.2	-0.5 53.4
203	13.7	29.798	Zero	-16.1 46.2	-16.3 9.	-16.1	-16.3 9.	-16.3 33.4	-1.1 54.6
+50	13.6	29.805		-16.1 46.2	-16.4 9.	-16.2	-16.3 9.	-16.4 33.6	-1.2 54.8
202	13.7	29.812	Reduce on	-16.3 46.4	-16.3 9.	-16.2	-16.2 9.	-16.4 33.6	-1.2 55.0
+50	14.0	29.819		-16.2 46.3	-16.3 9.	-16.2	-16.2 9.	-16.3 33.4	-1.2 55.3
201	13.8	29.826		-15.8 45.7	-16.2 9.	-16.0	-16.0 9.	-16.2 33.3	-1.0 54.9

1324

Continued in Cross Section Book Sta 208 to Sta 360 page 8

Sta:	Ground	Grade	L	C	R	
208	14.1	29.728	-15.0 44.5	-15.6 9	-15.6 -15.5 9	-15.6 -6.4 32.4 48.9

BM 30.874 on Nail Top of Guard Rail N°2 end of Bridge at Sta 214+

+50	14.1	29.735	-15.4 45.1	-15.5 9	-15.6 -15.7 9	-15.7 -4.9 32.6 49.5

Left 12' Centers

207	14.4	29.742	-15.0 44.5	-15.3 9	-15.5 -15.7 9	-15.6 -3.8 32.4 48.7
+50	14.1	29.749	-14.8 44.2	-15.2 9	-15.6 -15.8 9	-15.7 -2.0 32.6 49.8

Station 207

206	14.2	29.756	-15.2 44.8	-15.4 9	-15.5 -15.4 9	-15.7 -0.4 32.6 49.2
+50	14.3	29.763	-15.4 45.1	-15.3 9	-15.5 -15.6 9	-15.6 -0.4 32.4 51.9

* Add for Ditch between Sta: 204+50 - 207. 228' × 5.0 × 1.2 = 50.67 Cu Yds.

205	14.7	29.770	-15.4 45.1	-15.2 9	-15.2 -14.9 9	-15.5 -0.7 32.2 53.2

13 25

Pages 71 To Used In
Final Estimate Item No 19

1326

X Taxi Addition to Ft. Street

Offshoots. See p. 71.

End Area

Cu. Yds.

2 x 28 wedge. (50) 163.80 — 0.0

2 x 28 Truncated (50) 313.70 — 0.0

1 x 28 Pyramidal (50) 151.90 — 0.0

1 x 28 — 0.0

	0.0			0.0
151.67	0.0	-3.5	0.0	65.0
163.80	0.0	-3.5	0.0	63.0
286.14	0.0	-6.2	0.0	74.0
313.70	0.0	-6.2	0.0	74.0
151.90	0.0	-6.2	0.0	74.0
73.76	0.0	-6.2	0.0	74.0
	0.0			

531.57

1327

Hop Poles

389 Kooks

90 Caramyhl

14.50
15.49
29.8.60.

173+05.04.

1328